

## 5.1 Writing Equations in Slope-Intercept Form

Slope-Intercept form:

m =

b =

1. slope = 4  
y-intercept = -3

Equation:

2. slope = -3  
y-intercept = 7

Equation:

3. slope = 0  
y-intercept = 5

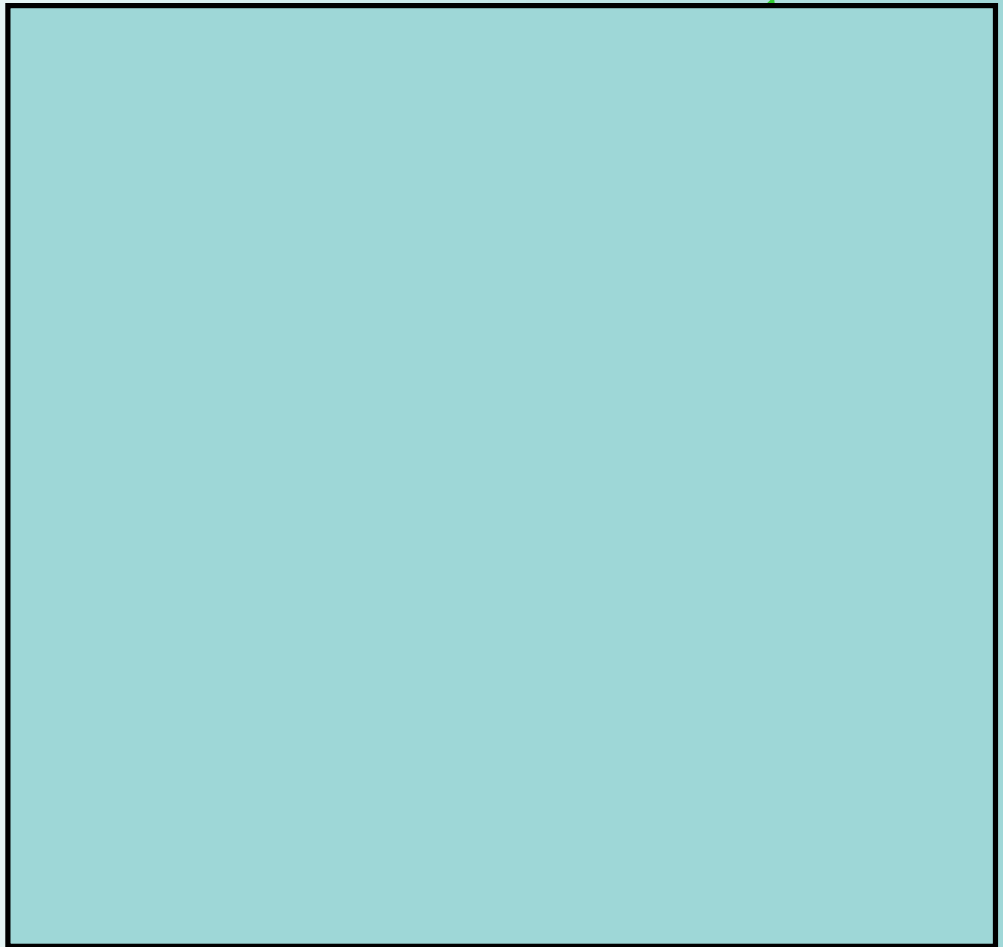
Equation:

1.  $(0,-2)$   $(1,1)$

$m =$

$b =$

Equation:

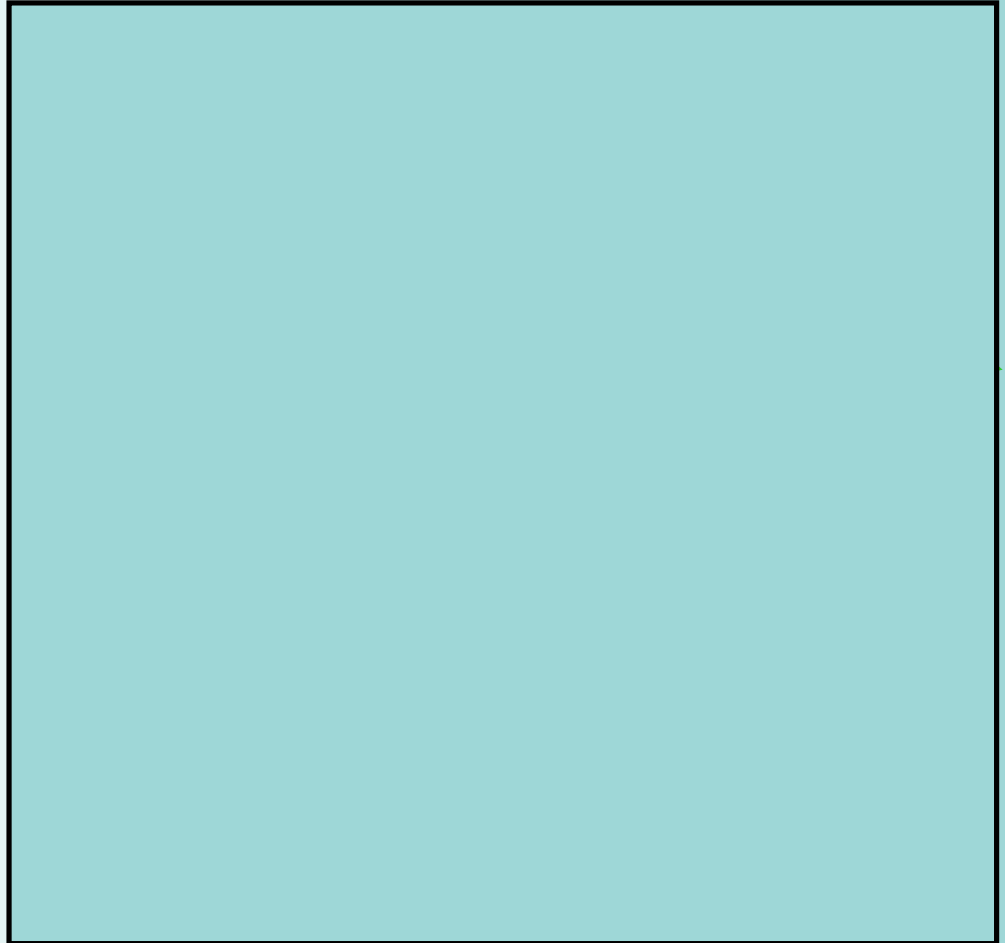


2.  $(-4,4)$   $(0,3)$

$m =$

$b =$

Equation:

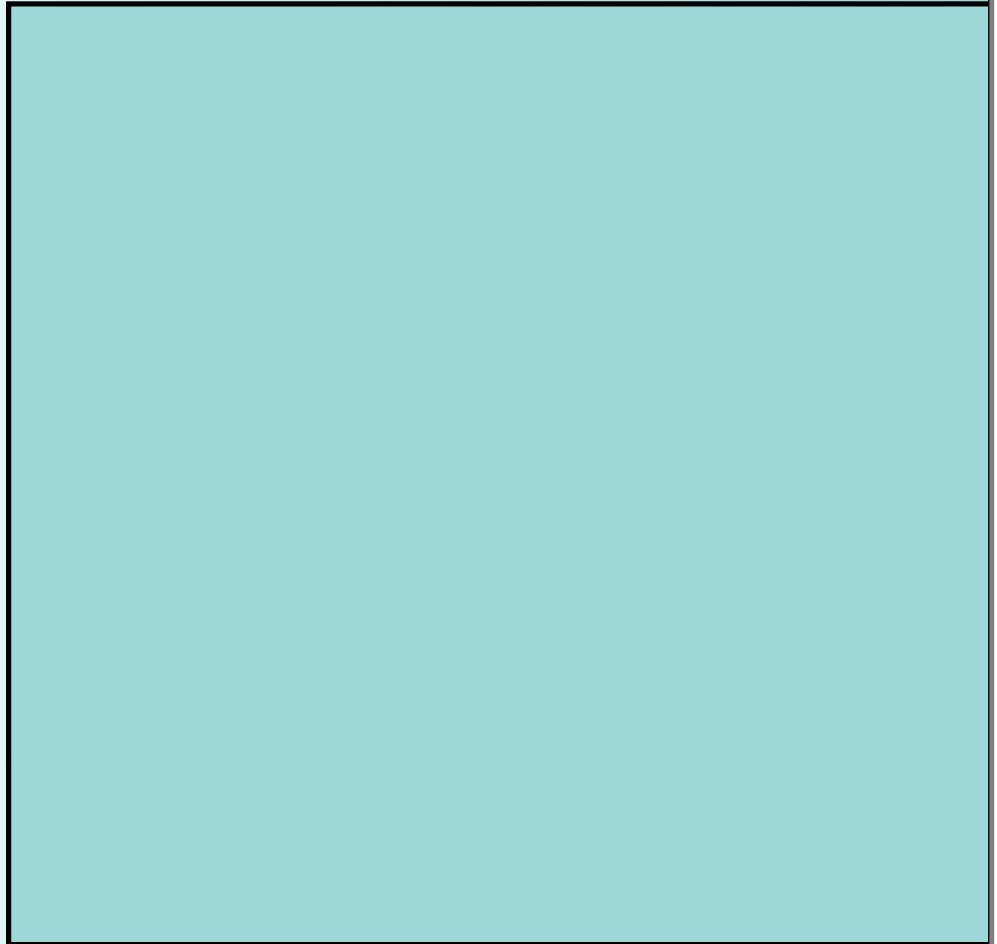


3. (2,5) (-2, 1)

m =

b =

Equation:

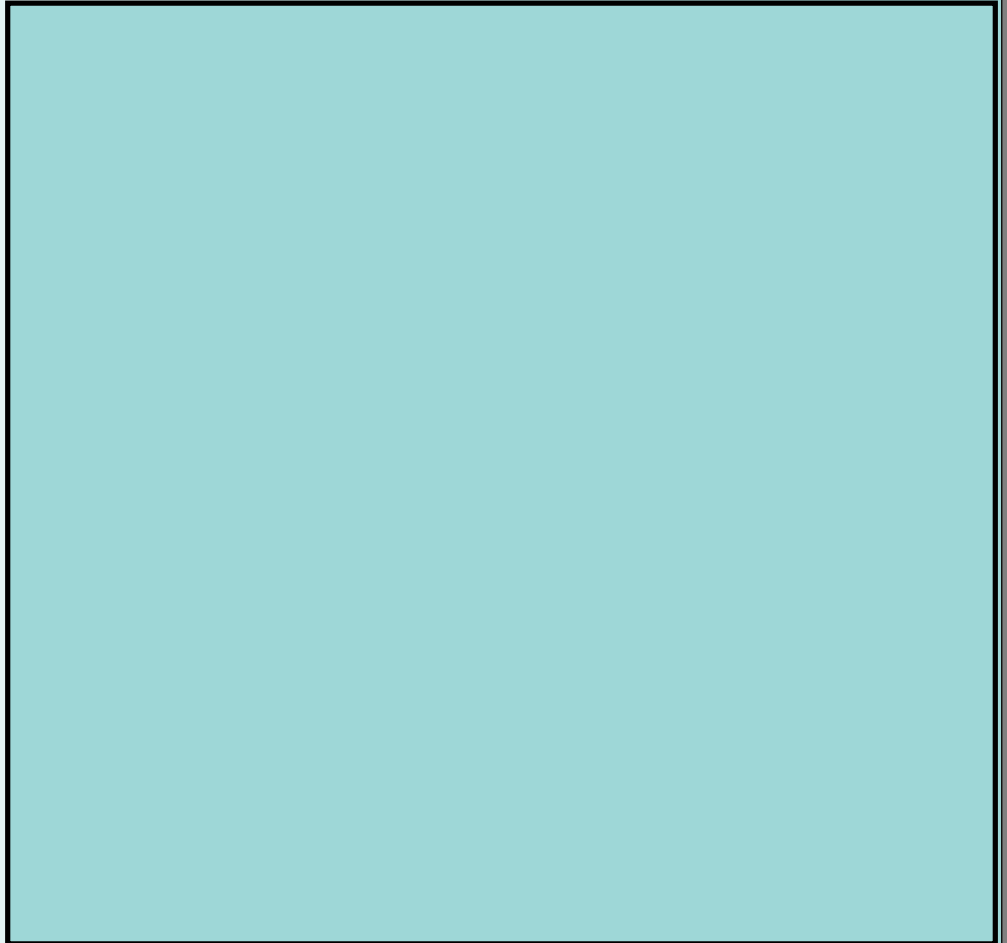


4.  $(-3,2)$   $(1,2)$

$m =$

$b =$

Equation:



5.  $(5, 6)$   $(5, -4)$

$m =$

$b =$

Equation:

## Real Life Situations

1. A car rental is \$50 plus 15 cents per mile

2. Your uncle weighs 260 lbs and is losing 2 lbs each month

3. A video store charges an \$8 membership fee and \$4.50 per video.